NEWZEN CONSULTANTS BANGALORE

NC/QC/PD/MW-01/2018-19/AT-C1 **Date: 20-04-2018**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Construction of Open Air Theater at Mallasandra in Ward No. 13 Shettyhalli sub division.}
Ref.: Material testing/QC/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

PHYSICAL TESTS ON CEMENT

Brand : ULTRATECH
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**163 min**	Shall not be less than 30 min
2	Final setting time	**258 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.85 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.91 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.63 N/Sq mm**	Shall not be less than 27 N/Sqmm

*As furnished by Client.
The Results relate only to the items tested.

KIRAN. K

For Newzen Consultants Bangalore

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone,
BBMP, Bangalore.

Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

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NEWZEN CONSULTANT BANGALORE

NC/QC/PD/MW-01/2018-19/AT-PCC1 **Date: 20-04-2018**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for M-10 grade concrete .
{Project*: Construction of Open Air Theater at Mallasandra in Ward No. 13 Shettyhalli sub division.}
Ref.: Material testing/QC/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

1. COARSE AGGRGATES Table - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	97.85	85-100	95 – 100
20mm	63.40	0 -20	30- 70
10mm	33.10	0 -5	10- 35
4.75mm	Nil	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone –III	
04.75	96.50	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	88.45	60-95	75-100	85-100	
01.18	67.30	30-70	55-90	75-100	
600. mic	37.55	15-34	35-59	60-79	
300.mic	20.80	5-20	8-30	12-40	
150.mic	8.15	0-10	0-10	0-10	

*As furnished by Client.
The Results relate only to the items tested.

KIRAN. R

Page No. 1/1,

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NEWZEN CONSULTANTS BANGALORE

NC/QC/PD/MW-01/2018-19/AT-C2 Date: 27-04-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Construction of Open Air Theater at Mallasandra in Ward No. 13 Shettyhalli sub division.}
Ref.: Material testing/QC/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

PHYSICAL TESTS ON CEMENT

Brand : ULTRATECH
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**164 min**	Shall not be less than 30 min
2	Final setting time	**271 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.93%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.10 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.47 N/Sq mm**	Shall not be less than 27 N/Sqmm

*As furnished by Client.
The Results relate only to the items tested.

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Asst. Executive Engineer
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NEWZEN CONSULTANT BANGALORE

NC/QC/PD/MW-01/2018-19/AT-FA1 **Date: 27-04-2018**

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.
{Project*: Construction of Open Air Theater at Mallasandra in Ward No. 13 Shettyhalli sub division.}
Ref.: Material testing/QC/18-19,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**96.90**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**83.25**	60-95	75-100	85-100	
01.18	**76.40**	30-70	55-90	75-100	
600. mic	**45.30**	15.34	35-59	60-79	
300.mic	**23.20**	5-20	8-30	12-40	
150.mic	**7.90**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	**Requirements** as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**15.38%**	-----
2	Silt Content	----	**0.58 %**	Not more than 8%
3	Specific Gravity	----	**2.61**	-------

*As furnished by Client.
The Results relate only to the items tested.

KIRAN. R

Asst. Executive Engineer
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NEWZEN CONSULTANT * BANGALORE *

NC/QC/PD/MW-01/2018-19/AT-CA1 **Date: 27-04-2018**

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.

{Project*: Construction of Open Air Theater at Mallasandra in Ward No. 13 Shettyhalli sub division.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	97.55	85-100	90 - 100
10 mm	46.90	0 - 20	25 - 55
4.75 mm	3.95	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	22.53%	Not to exceed 25 %
2.	Crushing value	27.46%	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

*As furnished by Client.

The Results relate only to the items tested.

K...R.

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M.E (Civil Engg.

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